

LIHUE PLANTATION COMPANY, CARPENTER SHOP
Haleko Road
Lihue
Kauai County
Hawaii

HAER HI-82-B
HI-82-B

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
National Park Service
U.S. Department of the Interior
1849 C Street NW
Washington, DC 20240-0001

[Type text]

HISTORIC AMERICAN ENGINEERING RECORD

CARPENTER SHOP LIHUE PLANTATION COMPANY SUGAR MILL

HAER No. HI-82

<u>Location:</u>	Haleko Road Lihue County of Kauai Hawaii USGS 7.5 minute series topographic map, Lihue, HI 1983 Universal Transverse Mercator (UTM) coordinates: 04.458180.2431430
<u>Date of Construction:</u>	1936
<u>Engineers & Builders:</u>	Unknown
<u>Present Owner:</u>	Lihue MS, LLC
<u>Present Occupant:</u>	Vacant
<u>Present Use:</u>	Abandoned
<u>Significance:</u>	The Carpenter Shop is significant for its associations with the development of the Lihue Plantation Company Sugar Mill. It is a good example of a vernacular style light industrial building in Hawaii, which reflects its period in its materials, method of construction, and design.
<u>Report Prepared by:</u>	Don J. Hibbard, Ph.D. Architectural Historian Mason Architects, Inc. 119 Merchant Street, Suite 501 Honolulu, HI 96813
<u>Date:</u>	October 2008

GENERAL DESCRIPTION AND LOCATION

The Carpenter Shop stands to the west of the mill on the Lihue Plantation Company Sugar Mill property. The single story structure was constructed in 1936, shortly after the major reconstruction of the mill. The present 60' x 60' structure is less than half the size of its original 60' x 157' building, which served as a carpenter shop on one side and a blacksmith shop on the other. The blacksmith shop was removed in 1980, to provide additional space for the mill's new power plant which was completed in that year.

The corrugated metal building is characterized by its steep, corrugated metal hip-gablet roof and inset, 16' deep lanai. The lanai extends from the building's left corner across 5/6th of the façade. Four 12'-4" high steel columns sit on concrete footings and support the lanai's roof beam. The columns are fabricated from two steel channels, each 8" wide with outward facing 3" legs, which are riveted together by diagonal, steel braces with a 3" gap. The lanai has a scored concrete floor. To the right of the lanai is a small office with a steel door that opens on the lanai. To the left of the door is an opening secured by expanded metal mesh, which contains a pair of sliding windows in wood frames, whose glazing has been removed. The office has paneled wood and canec walls and ceilings.

The rear wall of the lanai has a 9' wide x 10'-8" high single sliding door composed of metal mesh in a steel frame, which accesses the interior of the carpenter shop. The wall is 18' high. The initial 10'-8" is composed of metal mesh, with corrugated metal above. The door and wall sit on a 6" x 12" concrete sill. The interior of the carpenter shop is a 44' x 60' rectangular open space. The rear wall is penetrated by a hinged set of two panel, riveted, metal double doors, which are each 3' wide and 7' high. To the right of the doorway are two pairs of wood, double-hung sash windows containing 6 x 6 divided lites. Another pair sits to the left of the doorway. The sash in each window measures 33" x 36". Three pairs of similar windows are on the left (south) side wall. Wood cabinets with plank doors line the rear and side walls. The right (north) side wall has a row of five cabinets which are 7' tall. On the rear wall, 7' high storage closets flank the doorway with a row of 4 cabinets, which are 4' high, running out from the closets. The cabinets to the left wrap around the corner and extend another 4 cabinets down the left hand wall. A separate pair of 4' high cabinets is also situated on the left hand wall. The carpenter shop has a concrete floor. The roof has two Howe trusses with sub-diagonals that are visible. These trusses rest on 12" steel channels with "Tennessee, USA" imprinted on them. The floor to the peak of the truss measures approximately 30' high.

Due to the removal of the blacksmith shop, the roof and building abruptly terminate on the north side with a flat corrugated metal wall, whose metal framing is exposed on the exterior.

A new roof and purlins were placed on the building in June 1970.

The Lihue Plantation Sugar Mill is located on Tax Map Key (TMK) parcels 3-8-004: 007 and 3-8-005:009. It is situated in the Nawiliwili Stream Valley on the periphery of Lihue's town center on Haleko Road.

HISTORICAL CONTEXT

See the Report for the Lihue Plantation Company Sugar Mill for the development of the Lihue Plantation Company's sugar mill.

SOURCES

Original Drawing: "Plan of Lihue Mill & Premises Showing Location of Fire Hydrants," Drawing Number 29-41, Lihue Plantation Company, drawn by F.M., June 22, 1955.

PROJECT INFORMATION

The following documentation was prepared in response to the proposal to demolish the historic property and build housing on the 13.8 acre Lihue Mill property. The purpose of this documentation is to historically record the architectural and mechanical elements of the mill and its supporting structures. The property owner and the Hawaii State Historic Preservation Division (SHPD) have agreed that the mill complex is over fifty years old. The SHPD in a July 15, 2008 letter indicated that the office believed the mill complex met the criteria for inclusion in the National Register of Historic Places. SHPD recommended that HABS documentation be completed and submitted to the National Park Service as a means of mitigating the loss of this historic property. The owner agreed to the SHPD's request for documentation, and after further discussion between Mason Architects and SHPD concerning the presence of intact machinery in the mill, it was decided the documentation would follow Historic American Engineering Record (HAER) standards.

The project manager for the HAER documentation was Polly Cosson Tice of Mason Architects, Inc. Don J. Hibbard, Ph.D. And Wendy Wichman of Mason Architects were the researchers and authors of the reports. Both Polly Cosson Tice and Don Hibbard are architectural historians who meet the Secretary of the Interior's Professional Qualifications in architectural history. Carol Stimson of Mason Architects assisted with the editing and production of the reports. The large-format photographs were taken by David Franzen of Franzen Photography.

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Location Map
U.S.G.S. Lihue, Hawaii, 1983:

